Ski having a mounting aid for a binding, process for the manufacture of such a ski, and corresponding mounting aid

Protective Claims

1. Ski or similar device for sliding on snow having a mounting aid for a binding (28) or components thereof, which aid is mounted on the top face (32) of the ski and is especially in the form of a binding plate (10),
c h a r a c t e r i s e d i n t h a t
the mounting aid (10) is durably connected to the top face (32) of the ski in such a manner that ski (23) and mounting aid (10) form an integral constructional unit in terms of the mechanical properties.

2. Ski according to claim 1,
c h a r a c t e r i s e d i n t h a t
the mounting aid (10) has approximately the same values as the associated attachment portion (23) in terms of
- thermal expansion,
- tensile strength,
- flexural strength and torsional rigidity, etc..

3. Ski according to claim 1 or 2,
c h a r a c t e r i s e d i n t h a t
the mounting aid (10) is welded or bonded to the top face (32) of the ski.

4. Ski according to claim 3,
c h a r a c t e r i s e d i n t h a t
the mounting aid (10) is welded or bonded over the whole surface to the top face (32) of the ski.

5. Ski according to any one of claims 1 to 4,
characterised in that
the mounting aid (10) comprises a longitudinal guide (19, 20) with undercut (35, 36) for the longitudinal positioning and fixing of the binding (28) or of binding components.

6. Ski according to claim 5,
characterised in that
the mounting aid is a plate which is either T-shaped or U-shaped in cross-section, the two upwardly projecting arms in the latter case each being drawn inwards or being directed to protrude laterally outwards.

7. Ski according to any one of claims 1 to 6,
characterised in that
the mounting aid, when formed as a binding plate, is either of two-part construction, having a front (11) and rear (12) portion, or of one-part construction, the front and rear portions of the binding plate (10) in the latter case being connected to one another by a connection piece or similar connecting portion (13).

8. Ski according to claim 7,
characterised in that
the connecting portion (13) is of narrower form and thinner wall thickness than the front and rear portions of the binding plate (10).

9. Ski according to claim 7 or 8,
characterised in that
the connecting portion (13) is displaceable in the longitudinal direction of the ski relative to the front (11) and/or the rear (12) portion of the binding plate (10).

10. Ski according to any one of claims 7 to 9,
characterised in that

arrangements are provided only in the region of the front (11) and/or in the region of the rear (12) portion of the binding plate (10) for the longitudinal positioning and fixing of the binding (28).

11. Ski according to any one of claims 1 to 10,
characterised in that
at the side associated with the ski top-face (32), the mounting aid (10) has nipple-like or stud-like lugs (24, 25, 26), which correspond to complementary recesses in the top face (32) of the ski.

12. Ski according to any one of claims 1 to 11,
characterised in that
there are formed on the mounting aid (10) snap-in lugs or detent apertures (14, 15), spaced from one another in the longitudinal direction of the ski, for the snap-in positioning and fixing of a binding (28) or components thereof.

13. Ski according to any one of claims 1 to 12,
characterised in that
the mounting aid (10) consists of a plastics material, a wood laminate, or a plastics/wood and/or plastics/metal laminate.

14. A process for the manufacture of a ski having a mounting aid, especially in the form of a binding plate, for a binding or for components thereof
characterised in that
the mounting aid is either welded or bonded to the top face of the ski in a separate operating step after manufacture of the ski, or is positioned on the ski body together with the ski top-face or the corresponding top layer after having previously been welded or bonded thereto.

15. Process according to claim 14,
characterised in that

at the side facing the ski top-face, the mounting aid is provided with an adhesive in order then to be positioned inside a ski positioning device - where necessary after prior removal of a protective film from the adhesive side - on the top face of the ski and bonded fast thereto.

16. Process according to claim 15 or 16,
characterised in that
the ski top-face is mechanically or chemically roughened at the adhesion site for the mounting aid in order to obtain a strong connection between ski top-face and mounting aid.

17. Mounting aid, especially binding plate (10), for mounting a binding (28) or components thereof on a ski (23) according to any one of claims 1 to 13 and 14 to 16,
characterised in that
it comprises a longitudinal guide (19, 20) with undercut (35, 36).

18. Mounting aid according to claim 17,
characterised in that
it has tapped holes (16, 17, 18) for fixing a binding or binding components, for example a heel plate.

19. Mounting aid according to claim 17 or 18, which in plan view is waisted, that is to say comprises a central connecting portion (13) which is of narrower form and/or thinner wall thickness than a front (11) and/or rear (12) portion.